

AMENDMENT

Please amend the application as follows:

In the Drawing:

**Please replace Drawing Sheet 1, Figure 1 and Drawing Sheet 2, Figures 2-4 with the replacements sheets attached hereto. The proposed Amendments are made to Figures 1 and 3 with red-lined changes. Applicants provide formal corrected drawings to be entered if the proposed changes are accepted by the Examiner.**

In the Claims:

**Please cancel Claims 12, 13, 16, and 18-21**

**Please amend Claim 1 as follows:**

1. (twice amended) A method for detecting an interaction between a first test protein and a second test protein at variable sensitivities via a detectable reporter gene, the method comprising:
  - (a) providing a host cell wherein the host cell comprises a detectable reporter gene capable of expressing a detectable reporter gene product;
  - (b) providing to the host cell a first hybrid protein comprising a polypeptide region capable of binding DNA and a bait polypeptide derived from the first test protein and a second hybrid protein comprising a polypeptide region capable of transcriptional activation and a prey polypeptide derived from the second test protein, wherein the host cell is additionally provided

with the capacity to regulate the absolute or relative amounts of the first and second hybrid proteins;

- (c) regulating the amounts of the first and second hybrid proteins in a continuously adjustable manner so the detectable reporter gene is activated; and
- (d) determining the extent to which the detectable reporter gene has been activated whereby an interaction between the first test protein and the second test protein is detected.